

Quick Guide to PowerKnowledge Physical Science

Overview

PowerKnowledge Physical Science provides information on physical science geared to science learners in grades 3 to 6 and their teachers. Additional content includes videos, interactive games and quizzes, hands-on science experiments and lesson plans. Topics include atoms and molecules, elements and the periodic table, energy and matter, and more. Unique features include:

- The Visual Browse option, which allows you easily browse a topic.
- Text Search Results and Media Search Results, which allows you to view your search in two easy ways.
- A Text-to-Speech option, which offers new readers and English language learners the ability to listen to the text as it is read aloud.
- Videos that bring the content to life and support visual learners.

Details

Visual Browse

1. On the home screen, click one of the **categories** on the left side of the screen.
2. Subcategories and articles will be displayed in a column.
3. Clicking on a **subcategory** will open another level of articles and subcategories.
4. Articles are displayed with an image and a title. Click on the article title to view the first section of that article.
5. To return to the home screen from any page, click the database logo at the upper left of the screen.

Text Search Results and Media Search Results

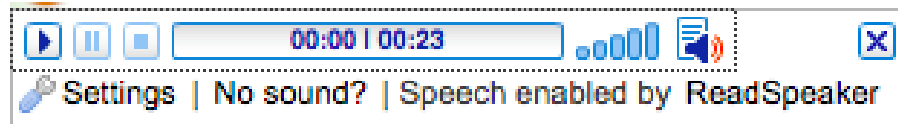
1. Search for an article from any page using the **search box** in the upper right corner.
2. Type in your search term(s) and click on the **magnifying glass**.
3. Your search results will be display in two ways. **Text search** results will appear on the left side of the screen. **Media search** results, which include images, video, and audio files, will appear on the right side of the screen.
4. Click on the title of an article or and image to view its contents.

Text-to-Speech

1. From an Article page, click the Listen button at the top of the article section or click on text in an article and clicking the pop-up button.
2. You will hear the article being read to you with word-by-word highlighting.



3. From the Player control box, you can change the settings of the text-to-speech feature or download an audio file of the article.



- a. Click on the Setting link and choose whether you want the text highlighting option, to change the speed of the reading, and to select a male or female voice.
- b. The “No Sound” link can be used to download an mp3 file of the audio for that article section.

Videos

1. When you see a video in *PowerKnowledge Physical Science*, click on it or select the play icon from the video controls displayed along the bottom of the video.
2. The video controls include play/pause, stop, full screen mode, and volume.



Additional Features You Might Like

- **Science Fair Projects and Activities** will help users learn the detailed steps of the Scientific Method and how to create a science fair project. Click the icon on the home screen or in the lower left column of any article screen.



- **Games** reinforce skills and Life Science content. To play, click the Play Games icon on the home screen or in the lower left column of any article screen.



More Information

- *PowerKnowledge Physical Science* Site Help
 - <http://www.pkphysicalscience.com/static/sitehelp>
- To correctly use the **Text to Speech** feature and the **Games** feature, your computer needs the free Adobe Flash Player. To download and install Adobe Flash Player, go to <http://get.adobe.com/flashplayer/>